DYNAMIC MODIFICATION OF CLUSTER COMMUNICATION PARAMETERS IN CLUSTERED COMPUTER SYSTEM

Abstract of the Disclosure

An apparatus, program product and method support the dynamic modification of cluster communication parameters through a distributed protocol whereby individual nodes locally confirm initiation and status information for every node participating in a parameter modification operation. By doing so, individual nodes are also able to locally determine the need to undo locally-performed parameter modifications should any other node be incapable of performing a parameter modification. Moreover, specifically with respect to cluster communication parameters such as heartbeat parameters, such parameters may be dynamically modified by configuring a sending node to send a heartbeat message to a receiving node, with the heartbeat message indicating that a heartbeat parameter is to be modified. In response to the heartbeat message, the receiving node may then send an acknowledgment message to the sending node that indicates whether the heartbeat parameter has been modified in the receiving node. Further, modification of the heartbeat parameter in the sending node may be deferred until the acknowledgment message from the receiving node indicates that the heartbeat parameter has been modified in the receiving node.